## JC10 Rec'd PCT/PTO 14 JUL 2005

FORM PTO-1390 (Modified)
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE
(REV 12-2004)

| Γ                                   | TRA   | NSMITTAL LETTER T   | O THE UNITED STATES  | ATTORNEY'S DOCKET NUMBER  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------------|---|---|--|---|--|--|--|--|--|--|--|--|--|--|
|                                     |   | ESIGNATED/ELECTE  | 016906-0403  |   |  |  |  |  |  |  |  |  |  |  |
|                                     |   |   | UNDER 35 U.S.C. 371  | U.S. APPLICATION NO. ((Mingyn, see 37C.F72. (6)) Unassigned 94297 |  |  |  |  |  |  |  |  |  |  |
|                                     |   | NAL APPLICATION NO.<br>004/000202   | INTERNATIONAL FILING DATE<br>01/14/2004                                      | PRIORITY DATE CLAIMED<br>01/16/2003                               |  |  |  |  |  |  |  |  |  |  |
|                                     | TITLE OF INVENTION  |   |  |   |  |  |  |  |  |  |  |  |  |  |
|                                     | COOLING CIRCUIT OF AN INTERNAL COMBUSTION ENGINE COMPRISING A LOW-TEMPERATURE RADIATOR APPLICANT(S) FOR DO/EO/US                |   |  |   |  |  |  |  |  |  |  |  |  |  |
| Klaus HASSDENTEUFEL and Stefan ROGG |   |   |  |   |  |  |  |  |  |  |  |  |  |  |
| App                                 | Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: |   |  |   |  |  |  |  |  |  |  |  |  |  |
| 1.                                  | $\boxtimes$   | This is a FIRST submission of   | This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. |   |  |  |  |  |  |  |  |  |  |  |
| 2.                                  |   | This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.   |  |   |  |  |  |  |  |  |  |  |  |  |
| 3.                                  | $\boxtimes$   | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.   |  |   |  |  |  |  |  |  |  |  |  |  |
| 4.                                  |   | The US has been elected (Article 31).   |  |   |  |  |  |  |  |  |  |  |  |  |
| 5.                                  | $\boxtimes$   | A copy of the International Application as filed (35 U.S.C. 371(c)(2))  |  |   |  |  |  |  |  |  |  |  |  |  |
|                                     |   | is attached hereto (required only if not communicated by the International Bureau).   |  |   |  |  |  |  |  |  |  |  |  |  |
|                                     |   | ★ As been communicated by the International Bureau.   |  |   |  |  |  |  |  |  |  |  |  |  |
|                                     |   | is not required, as the application was filed in the United States Receiving Office (RO/US)   |  |   |  |  |  |  |  |  |  |  |  |  |
| 6.                                  |   | An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  is attached hereto.  has been previously submitted under 35 U.S.C. 154(d)(4).   |  |   |  |  |  |  |  |  |  |  |  |  |
| 7.                                  |   | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))  are attached hereto (required only if not transmitted by the International Bureau).  have been communicated by the International Bureau.  have not been made; however, the time limit for making such amendments has NOT expired.  have not been made and will not be made. |  |   |  |  |  |  |  |  |  |  |  |  |
| 8.                                  |   | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).   |  |   |  |  |  |  |  |  |  |  |  |  |
| 9.                                  | $\boxtimes$   | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) and submitted under Rule 4.17.  |  |   |  |  |  |  |  |  |  |  |  |  |
| 10.                                 |   | An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).  |  |   |  |  |  |  |  |  |  |  |  |  |
| <u> </u>                            | 441 6   |   |  |   |  |  |  |  |  |  |  |  |  |  |
| 1                                   |   |   | ment(s) or information included:   |   |  |  |  |  |  |  |  |  |  |  |
| 11.                                 |   |   | tement under 37 CFR 1.97 and 1.98.   |   |  |  |  |  |  |  |  |  |  |  |
| 12.                                 |   |   | ecording. A separate cover sheet in compli                                   | ance with 37 CFR 3.28 and 3.31 is included.                       |  |  |  |  |  |  |  |  |  |  |
|                                     | $\boxtimes$   | A preliminary amendment.  | 07 OFD 4 70  |   |  |  |  |  |  |  |  |  |  |  |
|                                     |   | An Application Data Sheet und   | der 37 CFR 1.76.   |   |  |  |  |  |  |  |  |  |  |  |
| ı                                   |   | A substitute specification.   |  |   |  |  |  |  |  |  |  |  |  |  |
| 1                                   |   | A power of attorney and/or change of address letter.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825   |  |   |  |  |  |  |  |  |  |  |  |  |
|                                     |   |   |  |   |  |  |  |  |  |  |  |  |  |  |
| 1                                   |   |   | d international application under 35 U.S.C. 1                                |   |  |  |  |  |  |  |  |  |  |  |
| 1                                   |   |   | anguage translation of the international appli                               | ication under 35 U.S.C <sub>.,</sub> 154(d)(4).                   |  |  |  |  |  |  |  |  |  |  |
| 20.                                 | $\boxtimes$   | Other items or information: Co  | py of PCT/RO/101   |   |  |  |  |  |  |  |  |  |  |  |

## JC17 Rec'd PCT/PTO 14 JUL 2005

|  |   |              |  |   |           |               |            | Y'S DOCKET NUMBER-<br>06-0403 |                   |  |  |  |
|--|---|--------------|--|---|-----------|---------------|------------|-------------------------------|-------------------|--|--|--|
|  | The following   | ng fees have | been su  | bmitted:  |           |               |            |                               |                   |  |  |  |
| 21. 🛛  |   |              |  |   |           |               | \$         | 300.00                        |                   |  |  |  |
| provis   | Examinational prelimitions of PCT   | nary examin  | \$   | 200.00  |           |               |            |                               |                   |  |  |  |
| 23.  | situations<br>Search fe   |              |  |   | \$        | 200           | +          | -                             |                   |  |  |  |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the  |   |              |  |   |           |               |            |                               |                   |  |  |  |
|  | O as an Inter   |              |  |   |           |               |            |                               |                   |  |  |  |
|  | onal Search F   |              |  |   |           |               |            |                               |                   |  |  |  |
| E .  | situations  | (cport prope | ica ana i  | provided to the Office  |           | 400<br>500    | •          | 400.00                        |                   |  |  |  |
|  |   | TAL OF AB    | OVE 21.  | 22 and 23 =   |           |               | \$<br>  \$ | 400.00<br>900.00              |                   |  |  |  |
| sec  | ditional fee fo<br>quence listing<br>of for each add  | or computer  |  |   |           |               |            |                               |                   |  |  |  |
| Total Sh   | Total Sheets Extra she  |              | Number of each additional 50 or fra<br>thereof (round up to a whole numb |   |           | RATE          |            |                               |                   |  |  |  |
| 30 - 1   | 100 = 0   | /50 =        |  | 0   |           | x \$250.00    | \$         | 0.00                          |                   |  |  |  |
|  | Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)) |              |  |   |           |               |            |                               |                   |  |  |  |
| CL   | AIMS  | NUMBER       | FILED  | NUMBER EXTRA  | . F       | RATE          | \$         |                               |                   |  |  |  |
| Tota   | l Claims  | 21           | - 20 =   | 1   | ×\$       | 50.00         | \$         | 50.00                         |                   |  |  |  |
| Indepen  | dent Claims   | 2            | - 3 =  | 0   | ×\$       | 200.00        | \$         | 0.00                          |                   |  |  |  |
| MULTIP   | LE DEPEND   | ENT CLAIM    | S) (if app   | olicable)   | +\$       | 360.00        | \$         |                               |                   |  |  |  |
|  |   |              |  | TOTAL OF ABOV   | E CALCU   | LATIONS =     | \$         | 950.00                        |                   |  |  |  |
|  | Applicant clair<br>reduced by 1/2   |              | \$   | 0.00  |           |               |            |                               |                   |  |  |  |
|  |   |              |  |   | SI        | UBTOTAL =     | \$         | 950.00                        |                   |  |  |  |
|  | ing fee of 130<br>earliest claim  |              | \$   |   |           |               |            |                               |                   |  |  |  |
|  |   | -            | i  | TOTA  | AL NATIO  | NAL FEE =     | \$         | 950.00                        |                   |  |  |  |
| Fee for r  | ecording the  | enclosed as  | signment   | (37 CFR 1.21(h)). The as  | signment  | must be       | \$         |                               |                   |  |  |  |
| accompa  | anied by an a   | ppropriate o | over shee  | et (37 CFR 3.28, 3.31). 40  |           | <del></del>   |            |                               | <u></u>           |  |  |  |
|  |   |              |  | TOTAL   | FEES EI   | VCLOSED =     | \$         | 950.00                        |                   |  |  |  |
|  |   |              |  |   |           |               |            | Amount to be                  |                   |  |  |  |
|  |   |              |  |   |           |               |            | refunded:<br>charged:         |                   |  |  |  |
| a. 🛛   | A check i   | n the amou   | nt of \$9  | 50.00 to cover the abov   | o foos is | enclosed      | <u> </u>   | Chargeu.                      |                   |  |  |  |
| b. 🗆   | Please ch   | narge my D   | eposit A   | Account No. <u>19-0741</u> in the second second in the second i |           |               |            | _ to cover the ab             | ove fees.         |  |  |  |
| c. 🖾   | The Com   | missioner i  | s hereb  | y authorized to charge  | any add   | litional fees | whic       | ch may be requir              | ed, or credit any |  |  |  |
| d. 🗆   | information should not be included on this form. Provide credit card information and authorization on PTO-                                  |              |  |   |           |               |            |                               |                   |  |  |  |
| 2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. |   |              |  |   |           |               |            |                               |                   |  |  |  |
| SEND A   | ALL CORRE   | SPONDE       | 1  | Acheran   |           |               |            |                               |                   |  |  |  |
| l  |   |              | ÚRĚ  | JRE J   |           |               |            |                               |                   |  |  |  |
|  | •   | ardner Ll    | L. S   | Schwaab   |           |               |            |                               |                   |  |  |  |
|  | Custome   | r Number     |  |   |           |               |            |                               |                   |  |  |  |
|  |   |              |  |   |           |               |            |                               |                   |  |  |  |
|  |   |              | RATI   | RATION NUMBER   |           |               |            |                               |                   |  |  |  |